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Fig.1

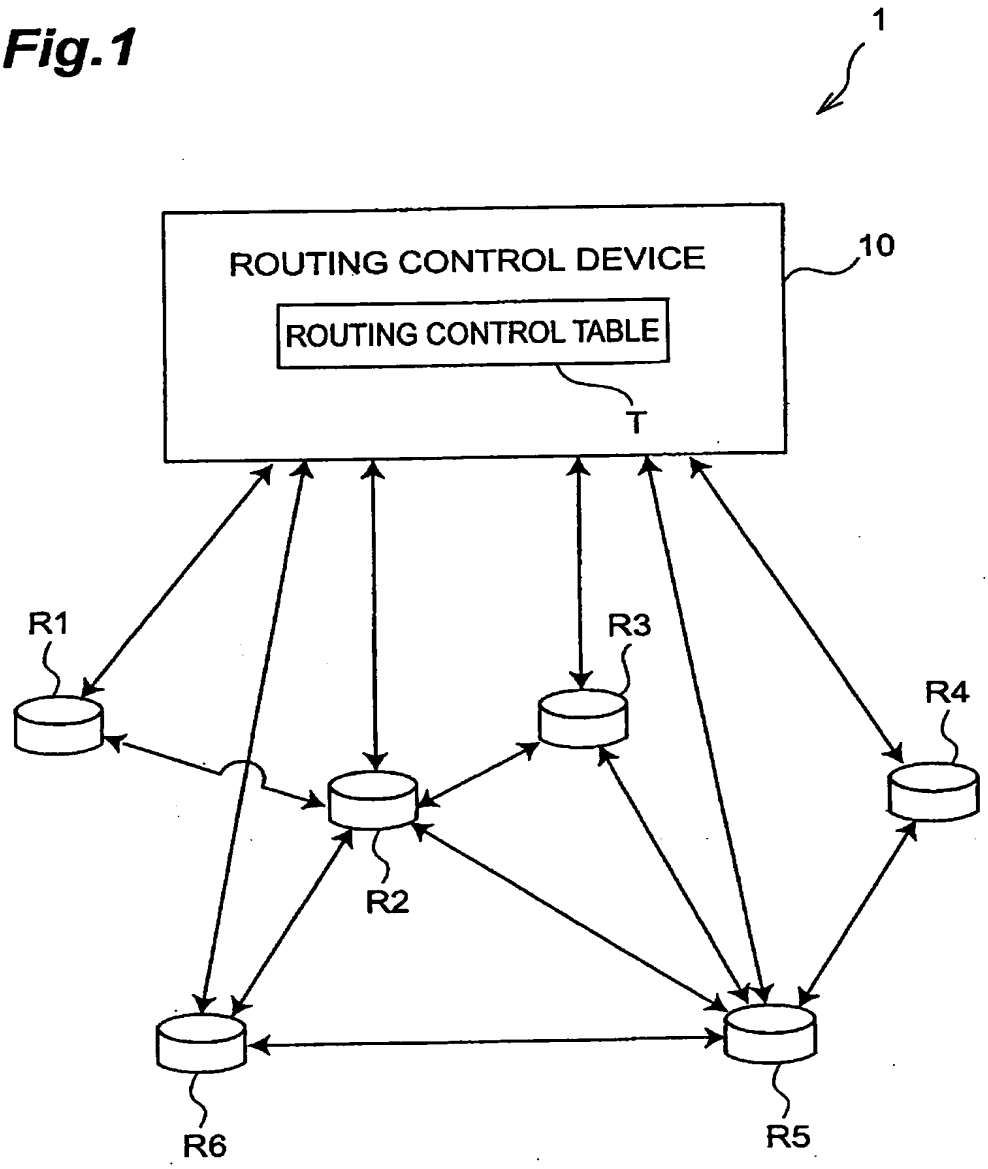

Fig.2

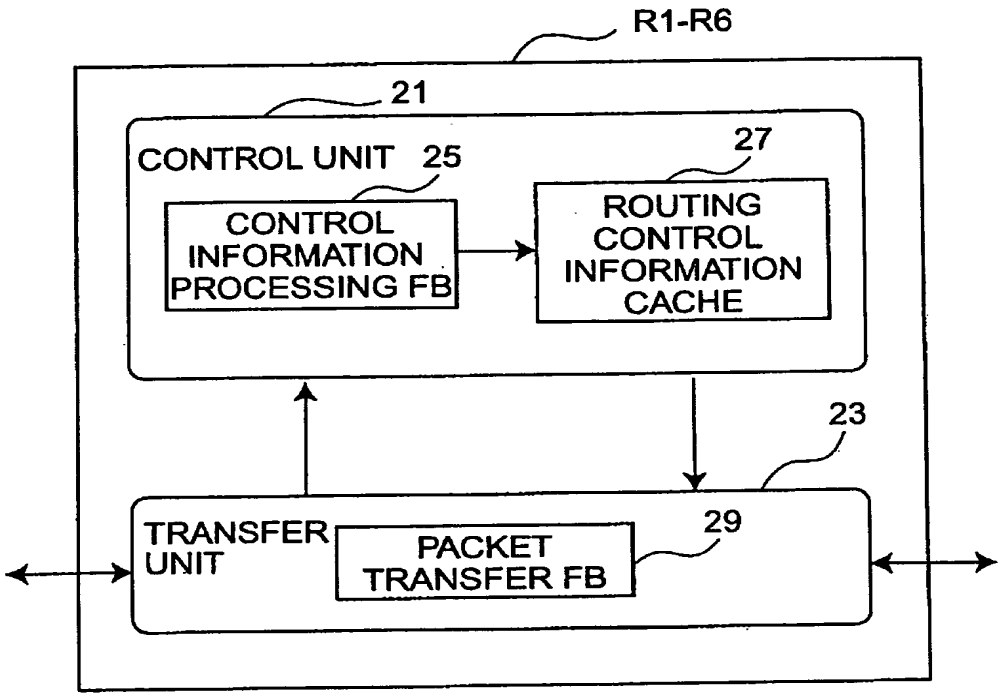
R1-R6
21
CONTROL UNIT
25
27
CONTROL INFORMATION PROCESSING FB
ROUTING CONTROL INFORMATION CACHE
23
TRANSFER UNIT
PACKET TRANSFER FB
29

Fig.3

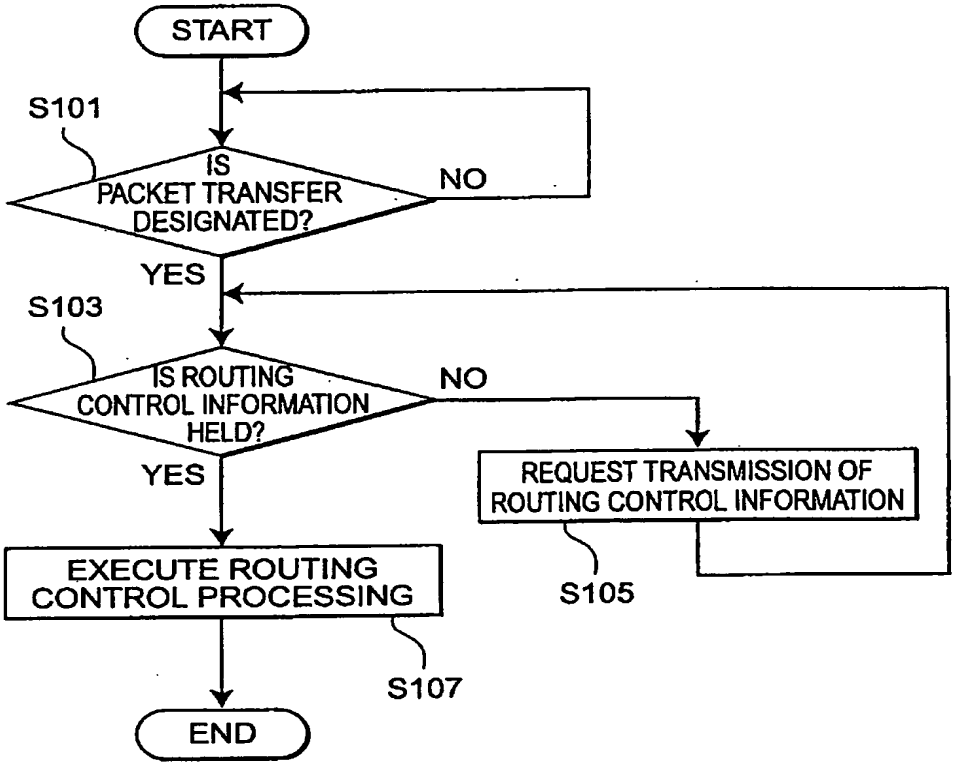
START
S101
IS PACKET TRANSFER DESIGNATED?
NO
YES
S103
IS ROUTING CONTROL INFORMATION HELD?
NO
YES
REQUEST TRANSMISSION OF ROUTING CONTROL INFORMATION
S105
EXECUTE ROUTING CONTROL PROCESSING
S107
END

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Fig.4

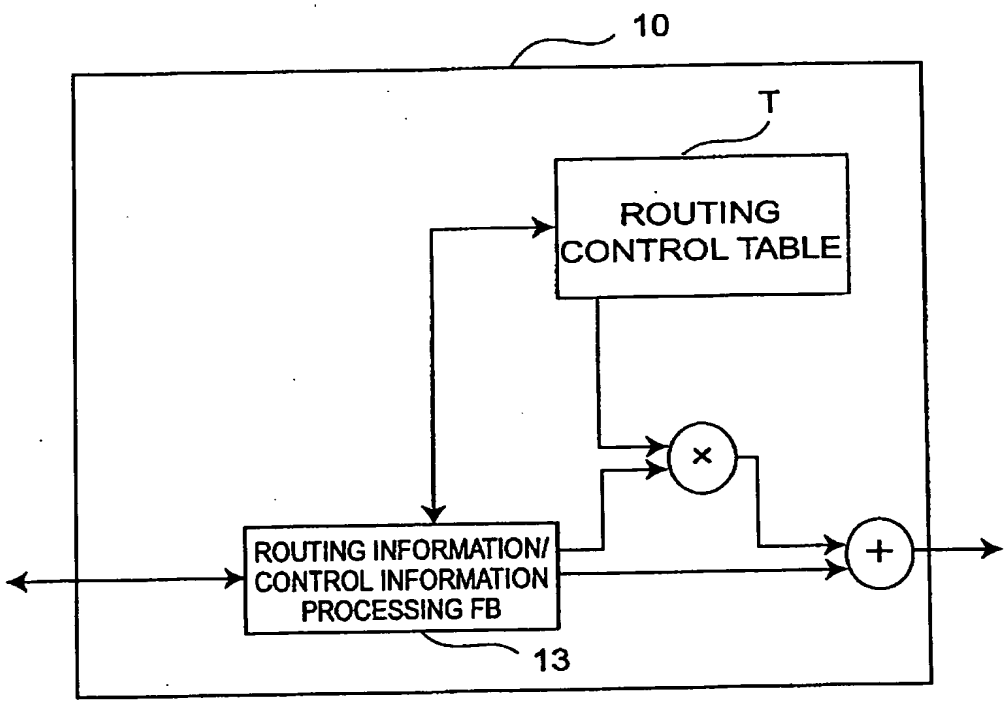

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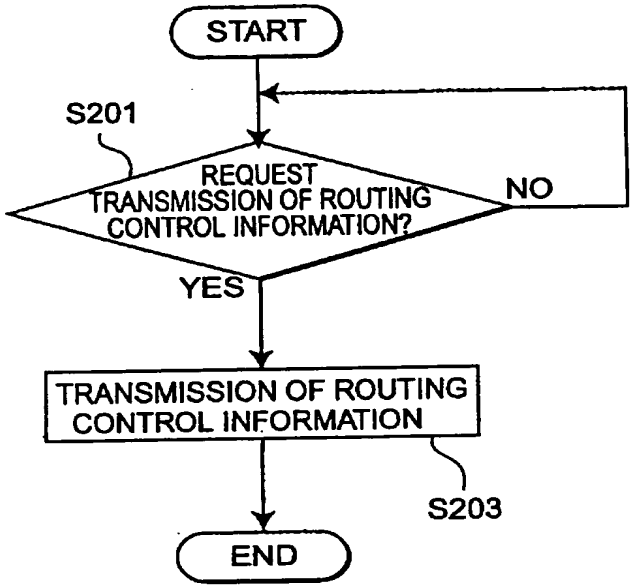
Fig.5

D / S	R1	R2	R3	R4	R5	R6
R1	0	M2-1 (R2)	M1-2+M2-3 (R2)	M1-2+M2-5+M5-4 (R2)	M1-2+M2+M2-5 (R2)	M1-2+M2-6 (R2)
R2	M2-1 (R1)	0	M2-3 (R3)	M2-5+M5-4 (R5)	M2-5 (R5)	M2-6 (R6)
R3	M3-2+M2-1 (R2)	M3-2 (R2)	0	M3-5+M5-4 (R5)	M3-5 (R5)	M3-2+M2-6 (R2)
R4	M4-5+M5-2+M2-1 (R5)	M4-5+M5-2 (R5)	M4-5+M5-3 (R5)	0	M4-5 (R5)	M4-5+M5-2+M2-6 (R5)
R5	M5-2+M2-1 (R2)	M5-2 (R2)	M5-3 (R3)	M5-4 (R4)	0	M5-2+M2-6 (R2)
R6	M6-2+M2-1 (R2)	M6-2 (R2)	M6-2+M2-3 (R2)	M6-2+M2-5+M5-4 (R2)	M6-2+M2-5 (R2)	0

T

Fig.6


START
S201
REQUEST TRANSMISSION OF ROUTING CONTROL INFORMATION?
NO
YES
TRANSMISSION OF ROUTING CONTROL INFORMATION
S203
END

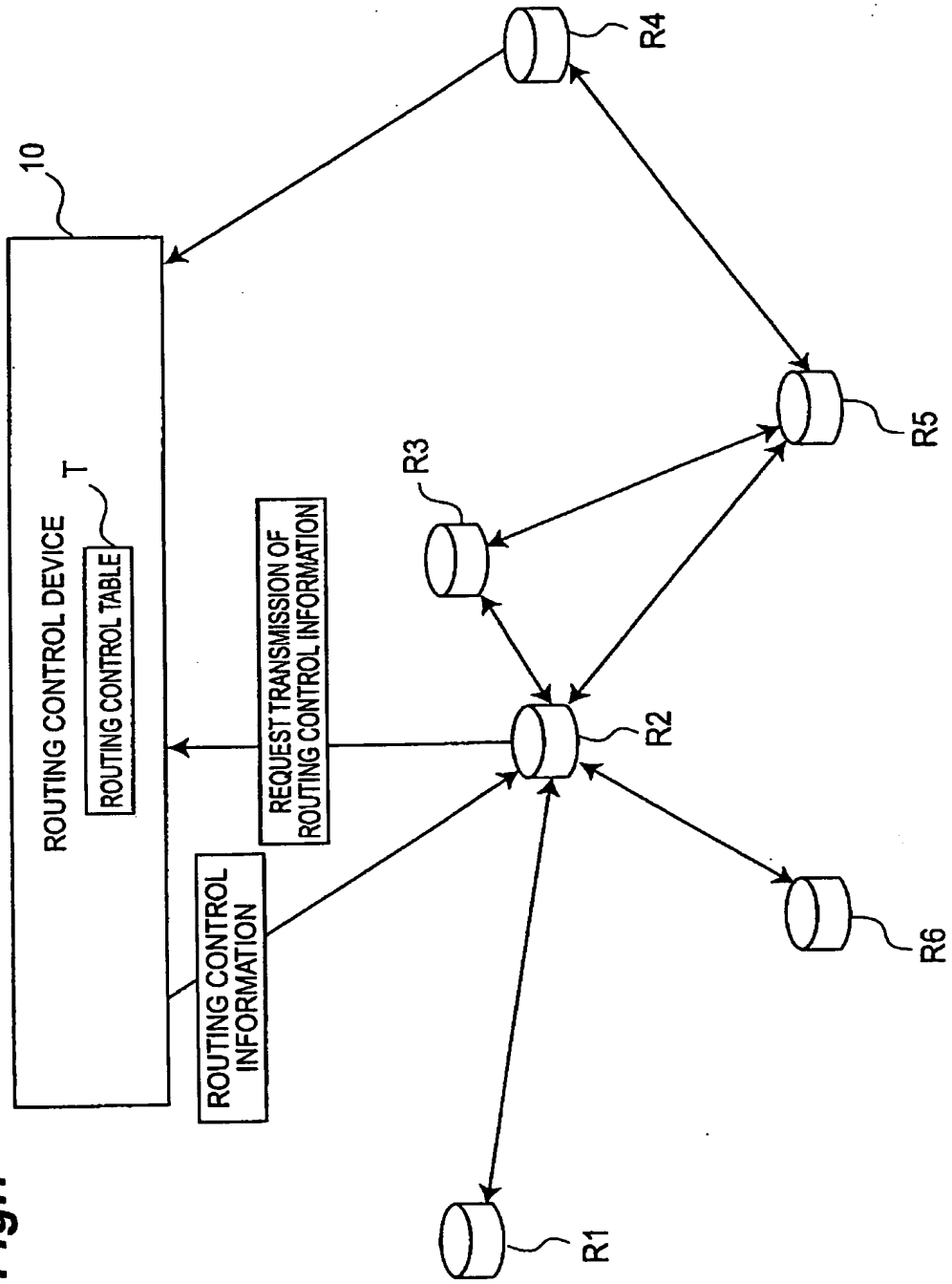

10
ROUTING CONTROL DEVICE
T
ROUTING CONTROL TABLE
REQUEST TRANSMISSION OF ROUTING CONTROL INFORMATION
ROUTING CONTROL INFORMATION
R1
R2
R3
R4
R5
R6

Fig.7

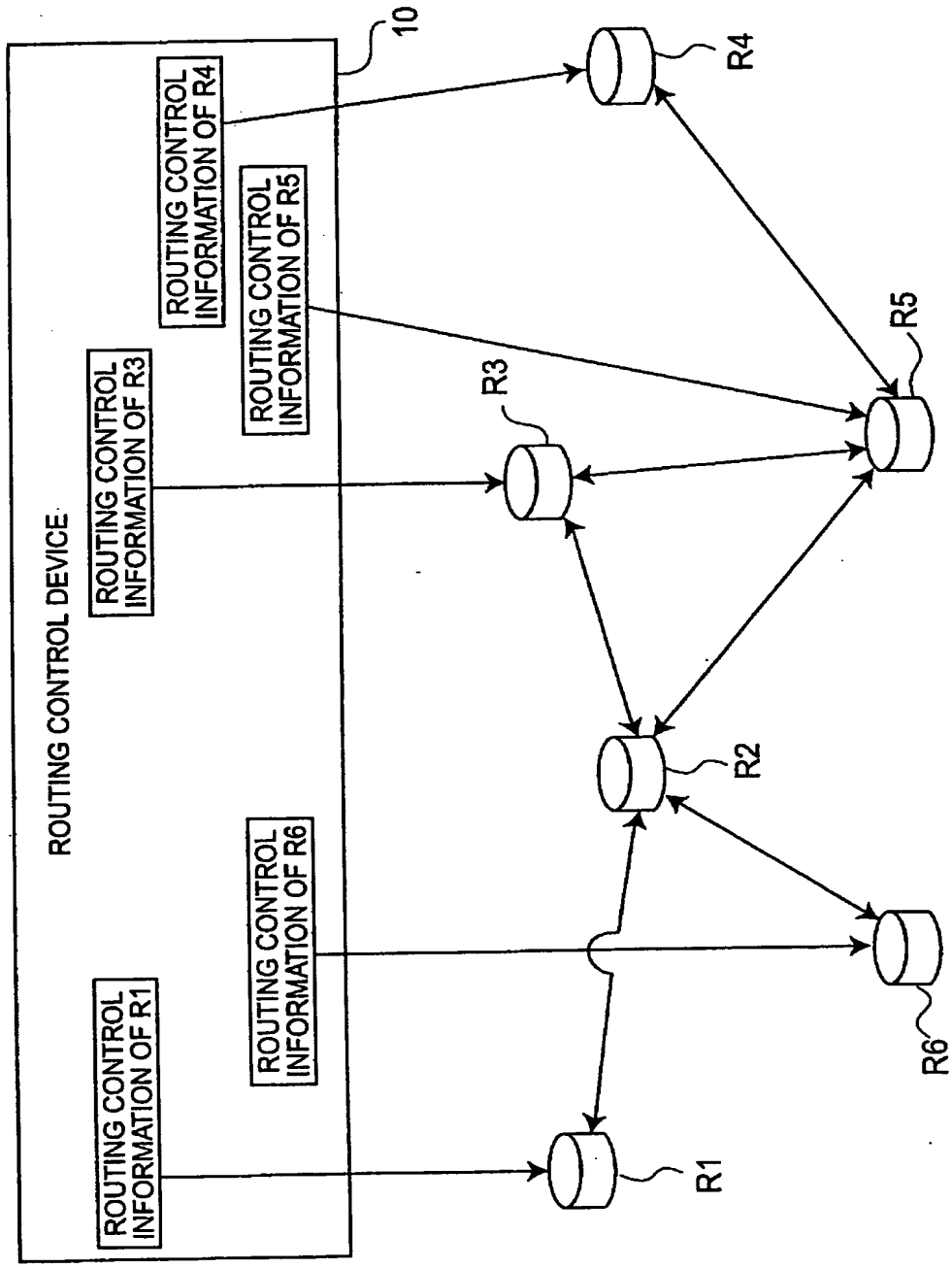

10
ROUTING CONTROL DEVICE
ROUTING CONTROL INFORMATION OF R4
ROUTING CONTROL INFORMATION OF R5
ROUTING CONTROL INFORMATION OF R3
ROUTING CONTROL INFORMATION OF R6
ROUTING CONTROL INFORMATION OF R1
R4
R5
R3
R2
R6
R1

Fig.8

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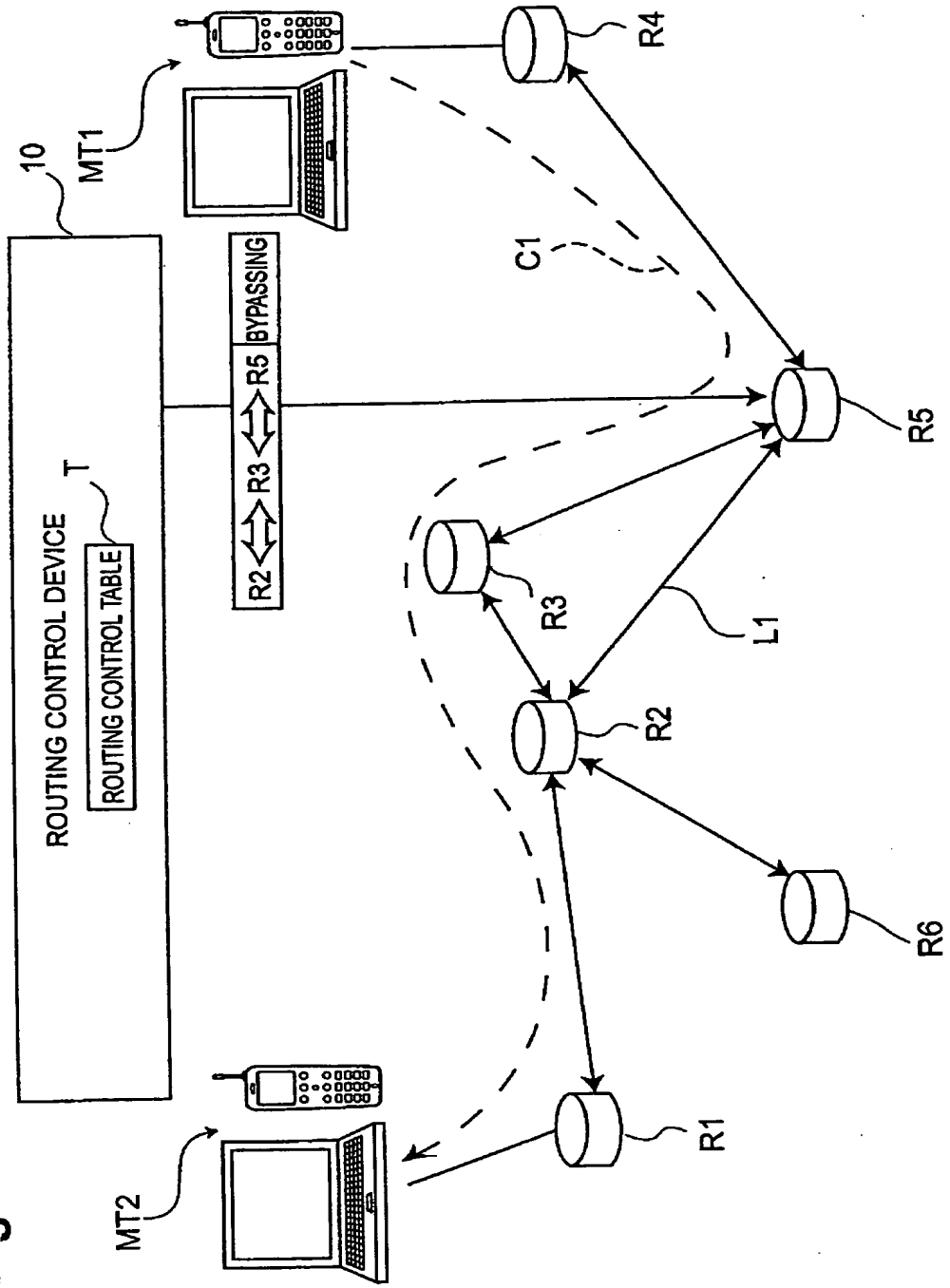

Fig.9

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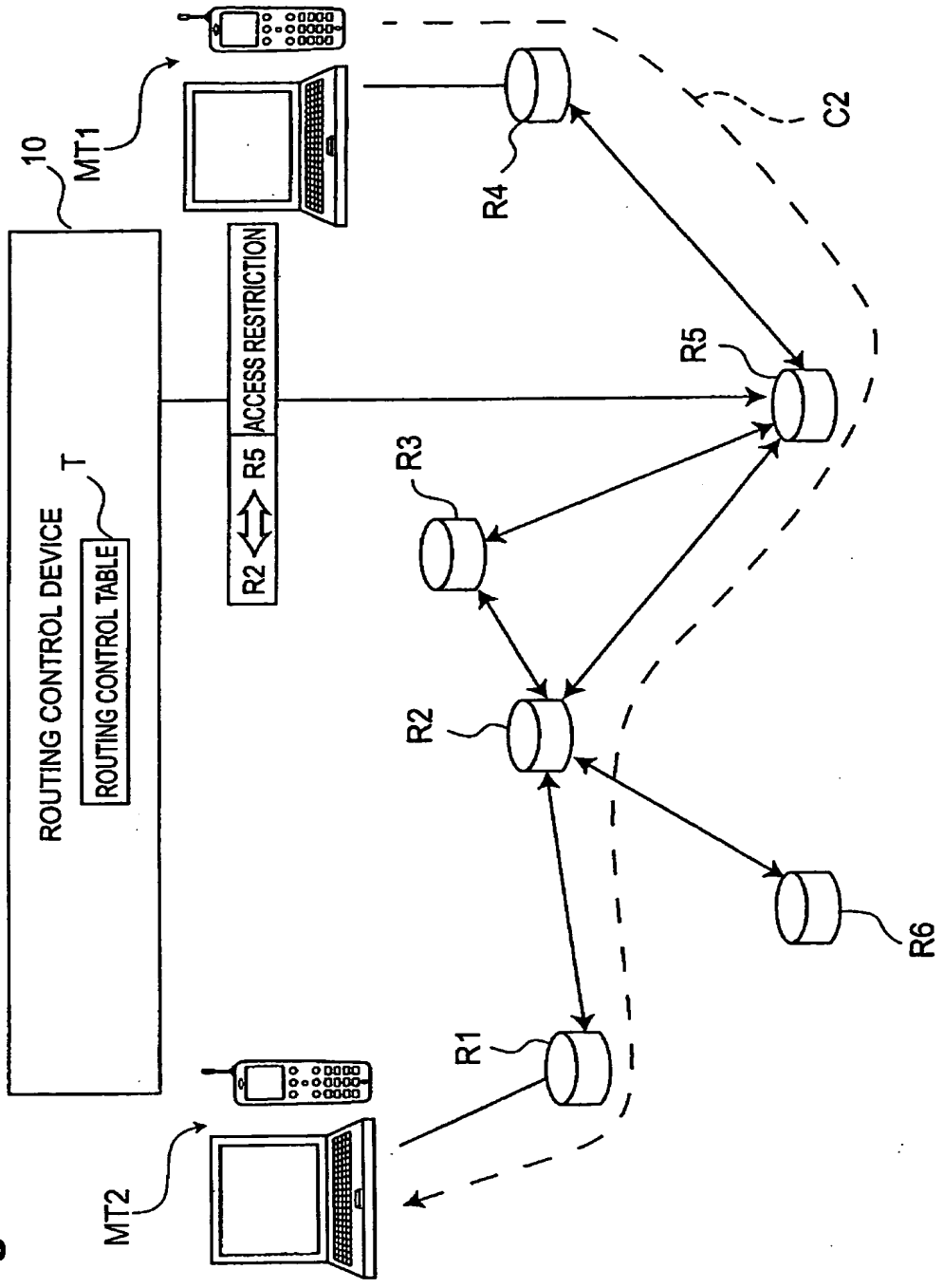

Fig.10

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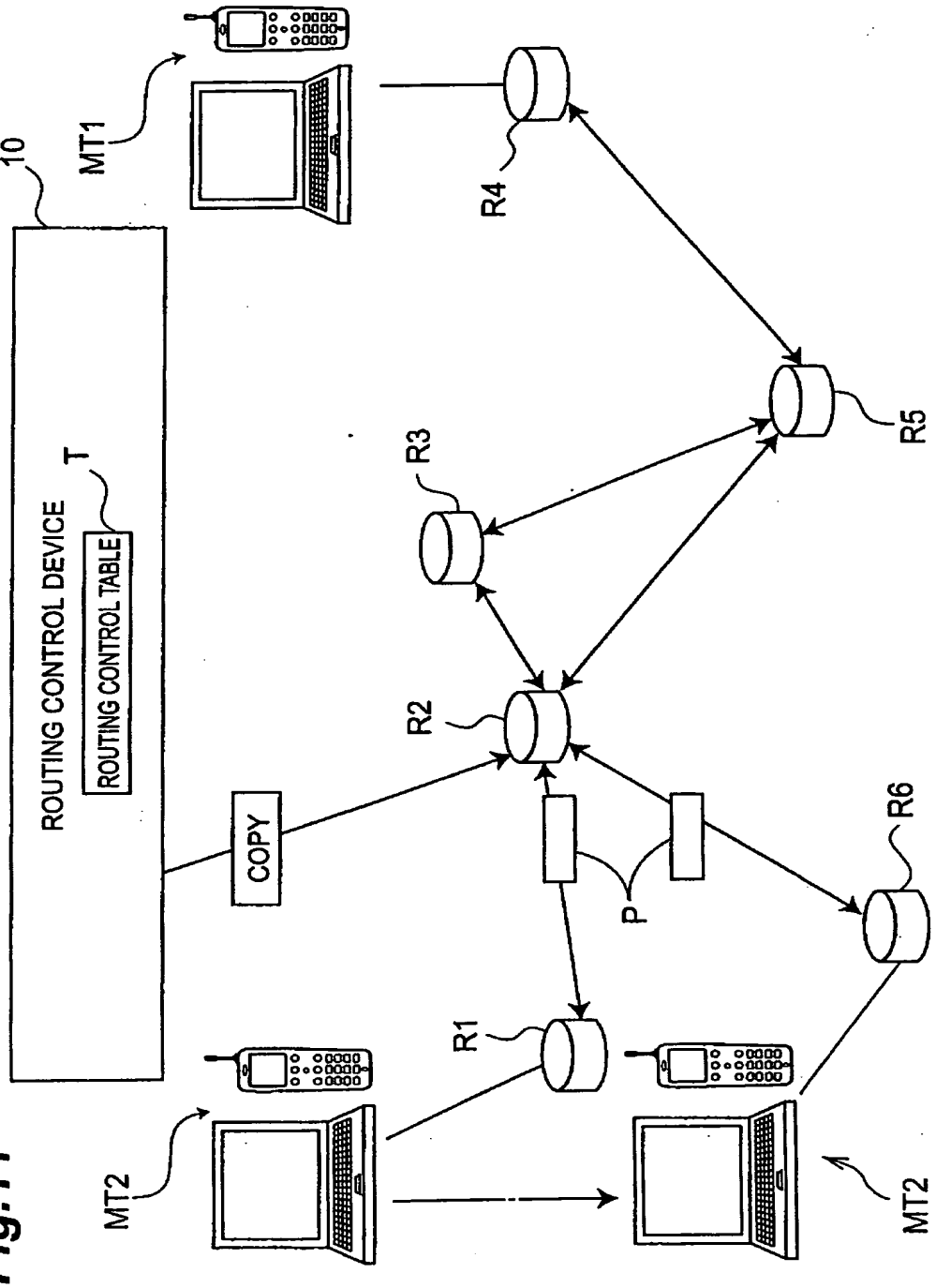

Fig.11